

From: Joseph Vitale
To: [Geiger, William](#)
Cc: [Eric Emery](#); [Nicholas Steenhaut](#)
Subject: FW: Metal Bank
Date: Wednesday, June 22, 2016 2:45:41 PM
Attachments: [image001.png](#)
[image001.png](#)
[image1.JPG](#)
[image2.JPG](#)

Hi Will:

Attached are pictures showing the residual crushed stone in the staging areas. The stone can be described as 2 inch max with substantial fines. The amount is approximately 135 tons. However the remaining crushed stone was placed directly on the Southern Area Cover. If we attempt to remove all of the crushed stone, it is likely we will damage the soil cover. I recommend we remove approximately 25 to 50 % of the crushed stone and incorporate the remaining into the soil cover through the restoration process.

Please let us know if this recommendation is acceptable.

Regards,

Joseph P Vitale, PE, LSP

MS Civil Eng., MBA

Principal Consultant

Office 617 946 6115

Mobile 617 721 2766

jvitale@ramboll.com

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20 Custom House Street, Suite 800
Boston, MA 02110
www.ramboll-environ.com



My email address has changed to jvitale@ramboll.com. Please make a note of this in your contact records. I will continue to receive email at the jvitale@environcorp.com address.

From: Eric Emery

Sent: Wednesday, June 22, 2016 2:35 PM

To: Joseph Vitale

Subject: Re: Metal Bank

Zone 2/3 staging area:



Zone 1/2 staging area:



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On Jun 22, 2016, at 1:59 PM, Joseph Vitale <jvitale@ramboll.com> wrote:

Hi Eric:

Please gather the information requested below and keep Creamer in the loop.

Regards,

Joseph P Vitale, PE, LSP

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From: Geiger, William [<mailto:Geiger.William@epa.gov>]

Sent: Wednesday, June 22, 2016 1:57 PM

To: Joseph Vitale <jvital@ramboll.com>

Subject: FW: FW: Metal Bank

Joe, can you get me the info that Peter is requesting below? Thanks

William A. Geiger

Remedial Project Manager

Hazardous Site Cleanup Division (3HS21)

U.S. Environmental Protection Agency

1650 Arch Street

Philadelphia, PA 19103-2029

Phone: 215.814.3413

Geiger.William@epa.gov

From: Peter Knight - NOAA Federal [<mailto:peter.knight@noaa.gov>]

Sent: Wednesday, June 22, 2016 1:37 PM

To: Geiger, William <Geiger.William@epa.gov>

Cc: Pluta, Bruce <Pluta.Bruce@epa.gov>

Subject: Re: FW: Metal Bank

Will, Can you get a volume estimate of this remaining stone fines/dust? What is the largest size of the remaining stone? Thanks, Peter

On Wed, Jun 22, 2016 at 11:43 AM, Geiger, William <Geiger.William@epa.gov> wrote:

Bruce/Peter, can you guys weigh in on Joe's email below about the crushed stone? Thanks.

William A. Geiger

Remedial Project Manager

Hazardous Site Cleanup Division (3HS21)

U.S. Environmental Protection Agency

1650 Arch Street

Philadelphia, PA 19103-2029

Phone: [215.814.3413](tel:215.814.3413)

Geiger.William@epa.gov

From: Joseph Vitale [<mailto:jvital@ramboll.com>]

Sent: Wednesday, June 22, 2016 11:42 AM

To: Geiger, William <Geiger.William@epa.gov>

Cc: Eric Emery <eemery@ramboll.com>; Nicholas Steenhaut <NSteenhaut@ramboll.com>

Subject: Metal Bank

Hi Will:

This addresses the remaining crushed stone in the storage area that includes some fines and stone dust.

- Option 1: Place the crushed stone on the river side near the sheet pile wall where stone has already been placed
- Option 2: Place the crushed stone at the corners of near the return walls of the Sheet Pile

Wall structure on the upland side

Our preferred alternative would be option 1. Placing the crushed stone on the river sider of the sheet pile wall. During this procedure, we would continue to monitor turbidity to ensure we meet the turbidity criteria immediately outside the work space.

Please let us know if you concur with our recommendation.

Regards,

Joseph P Vitale, PE, LSP

MS Civil Eng., MBA

Principal Consultant

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